Unicenter

TCPaccess Communications Server Release Summary

Version 6.0

Computer Associates

The Software That Manages eBusiness

Booklist

Unicenter TCPaccess Communications Server 6.0 Features

Unicenter TCPaccess Communications Server supports high performance IP connectivity to your mainframe. Your support of TCP/IP based access to the mainframe is mandatory in today's eBusiness environment. If top performance and increased user and application productivity are primary objectives for your organization in its choice of an IP stack for the mainframe, then Unicenter TCPaccess is the choice for you.

The following is a list of Unicenter TCPaccess Communications Server features

- TN3270E SSL Capable TELNET Server
- LMP Integration
- TelnetRTM
- Bind Security
- Dynamic VIPA
- The Cross-System Coupling Facility (XCF)
- Automatic Restart Management (ARM)

TN3270E SSL Capable TELNET Server

The TN3270E SSL Capable Telnet Server is a new telnet server, which provides full support for the TN3270E protocol, as defined by RFC2355 and extensions, including support for 3287 printers. The TN3270E server also supports *old-style* TN3270 connections for clients that do not support TN3270E, and can be configured to negotiate TN3270 by default.

Features of the TN3270E SSL Capable Server

Supports the full TN3270E protocol (as defined in RFC2355 and its extensions), including TN3270E printer support.

Response-time metrics are captured to a data space. Unicenter TCPaccess Communications Server via a NETSTAT command can be used to query the response-time data on a session level.

SMF record subtype 23 records information, including response time figures.

A user exit point, VTAMBIND, is provided with the TN3270E server, to allow a user exit program to examine the BIND image from a PLU and (optionally) reject a session.

Supports SSL connections to specified port(s).

Runs in a Unix Systems Services (USS, formerly OpenEdition) CINET environment with the ability to specify a single provider.

LMP Integration

Integration with Unicenter TNG Framework for OS/390 and the CA License Management Program (LMP), providing a standardized and automated approach to the tracking of licensed software.

TelnetRTM

TelnetRTM provides a central repository for telnet response time measurement (RTM) data. The telnet servers accumulate the RTM data and store it in the TelnetRTM repository. The RTM data in this repository is then queried and reported on by both NetSpy and the Unicenter TCPaccess NETSTAT TELNET command processor.

Bind Security

Bind security allows an installation to restrict access to local ports, assign certain attributes to local ports, and to prevent unauthorized applications from binding to a network interface. This facility also allows an installation to dynamically bind a network interface to an application when the application calls the BIND() socket API function and to register an application with the MVS Workload Manager when the application binds to a port. Unicenter TCPaccess Communication Server is required with Unicenter TCPaccess Telnet Server to implement Bind Security.

Dynamic VIPA

Application dynamic VIPA allows an application to activate and inactivate virtual IP addresses (VIPA) using the BIND() and IOCTL() socket API functions. This associates the VIPA with an application and can be effectively used with Unicenter TCPaccess Communications Server when Unicenter TCPaccess Telnet Server is running with a single interface, running multiplexed, or running in a multihomed environment.

The Cross-System Coupling Facility (XCF)

The Cross-System Coupling Facility (XCF) interface is a new device driver that enables communication among instances of Unicenter TCPaccess running in the same MVS image or in different MVS images within the same sysplex.

Automatic Restart Management (ARM)

Unicenter TCPaccess can now be made available to OS/390's Automatic Restart Management (ARM) processing. The element name is configurable via a new IJTCFGxx parameter, ARMELEMENT. Unicenter TCPaccess will register the element automatically at startup, and recover automatically from any Couple Data Set failures. An operator interface is also available.

Connection Management

Improved connection management allows a single instance of Unicenter TCPaccess to support many more concurrent connections (Telnet, FTP, and so forth).

Computer Associates™